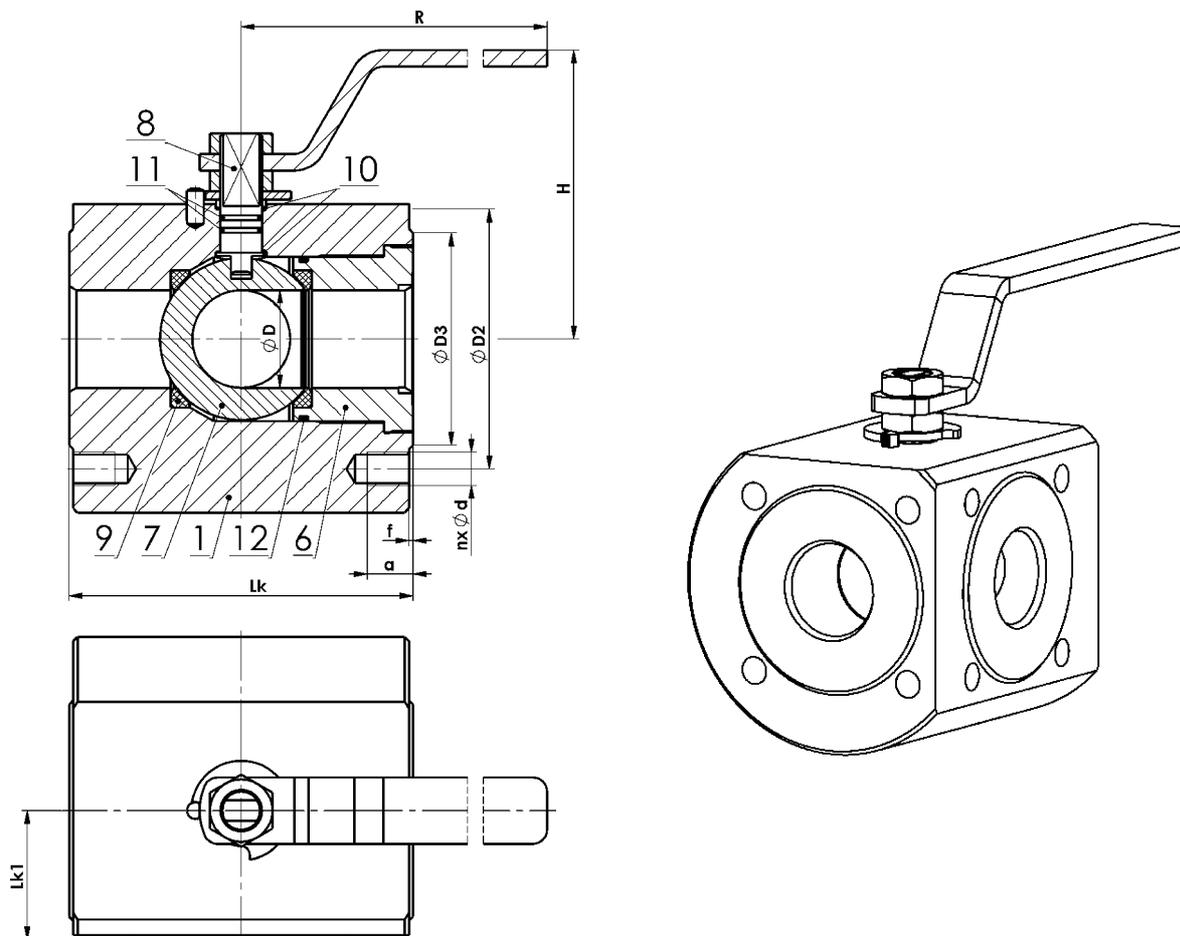


THREE-WAY WAFER-TYPE BALL VALVE

with two seats, with full bore "L" or "T"

KM 9307.X-01

DN 10–150 PN 16–250



Materials

Type KM 9307.X-01		Material			
		Carbon steel		Stainless steel	
Position	Component	X=1 For common temperatures from -20°C to +200°C	X=5 For temperatures from -46°C to +200°C	X=3 For temperatures from -50°C to +200°C	X=4 For temperatures from -50°C to +200°C
1	Body	1.0577, S355J2	1.0565, A350 LF2	1.4541, A182 F321	1.4571, A182 F316
2	Cover				
7	Ball	1.4021, ČSN 17 027	1.4541, A182 F321 ČSN 17 027	1.4541, A182 F321	1.4571, A182 F316
8	Stem				
9	Seat	PTFE, PTFE+C, PEEK			
10	gasket	PTFE+C, PEEK			
11	Sealing	NBR, HNBR, EPDM, FPM, FPM+FEP			
12	Sealing	NBR, HNBR, EPDM, FPM, FPM+FEP			

Other materials upon request (P265GH, 1.4306, 1.4462 etc.).

Operating temperature range can be reduced based on selected sealing materials.

Dimensions and weights

	DN	∅D	∅D2	∅D3	f	a	n	d	Lk	Lk1	H	R	Hm / W
	PN 16, 25, 40	10	9,5	60	40	2	14	4	M12				
15		14	65	45	2	14	4	M12	97	34	92	100	3,6
20		19	75	58	2	14	4	M12	108	40	99,5	100	5,5
25		25	85	68	2	16	4	M12	115	41,5	110	150	6,6
32		30	100	78	2	18	4	M16	140	52,5	117	150	12,5
40		38	110	88	2	20	4	M16	150	56,5	134	250	22
50		47	125	102	2	22	4	M16	165	62	139	250	27,5
65		62	145	122	2	22	8	M16	206	81			
80	76	160	138	2	24	8	M16	216	87				
PN 16	DN	∅D	∅D2	∅D3	f	a	n	d	Lk	Lk1	H	R	Hm / W
	100	98	180	158	2	20	8	M16	230	96			
	125	125	210	188	2	22	8	M16	290	116			
150	150	240	212	2	22	8	M20	350	153				
PN 25, 40	DN	∅D	∅D2	∅D3	f	a	n	d	Lk	Lk1	H	R	Hm / W
	100	98	190	162	2	25	8	M20	262	106	175,5	500	104
	125*	125	220	188	2	26	8	M24					
150**	150	250	218	2	28	8	M24			-	-		
PN 63, 100	DN	∅D	∅D2	∅D3	f	a	n	d	Lk	Lk1	H	R	Hm / W
	10	9,5	70	40	2	20	4	M12					
	15	14	75	45	2	20	4	M12					
	20	19	90	58	2	22	4	M16					
	25	25	100	68	2	24	4	M16					
	32	30	110	78	2	24	4	M20					
40	38	125	88	2	26	4	M20						
PN 63	DN	∅D	∅D2	∅D3	f	a	n	d	Lk	Lk1	H	R	Hm / W
50	47	135	102	2	26	4	M20						

* = gearbox recommended, ** = with gearbox only. Dimensions in [mm], weights in [kg]. Dimensions for PN 160, 250 upon request.

Application

Isolating valve designed to redirect the service fluid flow. It is not designed to be used for throttling or regulating purposes. For temperatures up to +200 °C.

Suitable for:

- water, steam, gas, oil, crude oil, and other liquids and gases without mechanical impurities.

Approved for:

- fluids in groups 1 (hazardous) and 2 according to 2014/68/EU.

Characteristics

- floating ball,
- full bore,
- anti-static design,
- stem secured against release (anti-blow-out),
- ball bore form of either "L" or "T".

Operation

- hand lever,
- hand wheel with worm gear,
- pneumatic actuator,
- electric actuator.

Compliance with standards

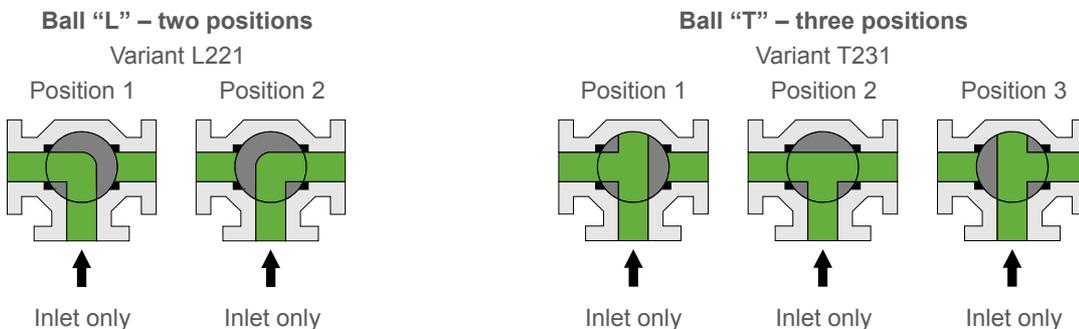
- EN 1983,
- EN 12516-1,
- EN 1092-1,
- EN ISO 5211,
- EN 13463-1 (ATEX) – II 1 GD Ex IIC TX, I M1.

Testing

- EN 12266-1, leakage rate A – zero leakage.

Flow directions

The ball valve is equipped with two seats for ball sealing, the middle connecting pipe is without a seat. The pressure fluid may be brought to the **middle connection only**, the end connections are outlet connections. The flow possibilities are shown on the schemes, other possibilities can be discussed by phone.



Optional accessories, adjustments and services

- different face-to-face dimensions or end combinations
- adaptation of face form (Groove, Tongue, Spigot, Recess, O-ring groove, RTJ)
- connection for actuator according to ISO 5211
- fire-safe design – fire resistance in accordance with EN ISO 10497 (API 607)
- heating jacket – for keeping the fluid liquid
- lockable handle with a padlock – for locking opened / closed position of the valve
- extended stem – e.g. for the reason of insulation of the valve and pipeline
- limit switches
- documentation according to EN 10204 3.1 or 3.2
- special adjustments according to customer requests
- design according to standard NACE MR 0175 or ISO 15156
- design according to API standards.

Type designation

